

TEIJIN POLYCARBONATE SINGAPORE PTE LTD

#01-01, 111 Sakra Ave, Singapore 627881 SG

LV-2225(##)(f2)(I)

Polycarbonate (PC) "Panlite", furnished as pellets, powder

Color	Min. Thk (mm)	Flame Class	HWI	HA1	RTI Elec	RTI Imp	RTI Str
ALL	0.40	V-2	4	3	80	80	80
	0.75	V-2	3	0	80	80	80
	1.5	V-2	3	1	125	115	125
	3.0	V-2	2	1	125	115	125
	6.0	V-2	1	1	125	115	125

Comparative Tracking Index (CTI): 2

Inclined Plane Tracking (IPT) kV: -

Dielectric Strength (kV/mm): 30

Volume Resistivity (10^x ohm-cm): 16

High-Voltage Arc Tracking Rate (HVTR): 4

Surface Resistivity (10^x ohms/square): -

Dimensional Stability (%): 0

High Volt, Low Current Arc Resis (D495): 5

- (##) - May be suffixed with one or two letters except for a single letter U, V or Z or the letters U, V or Z followed by another letter.
- (f2) - Subjected to one or more of the following tests: Ultraviolet Light, Water Exposure or Immersion in accordance with UL 746C, where the acceptability for outdoor use is to be determined by UL.
- (I) - Material with Calcium Carbonate

ANSI/UL 94 small-scale test data does not pertain to building materials, furnishings and related contents. ANSI/UL 94 small-scale test data is intended solely for determining the flammability of plastic materials used in the components and parts of end-product devices and appliances, where the acceptability of the combination is determined by UL.

IEC and ISO Test Methods				
Test Name	Test Method	Units	Thk (mm)	Value
Flammability	IEC 60695-11-10	Class (color)	0.40	V-2 (ALL)
			0.75	V-2 (ALL)
			1.5	V-2 (ALL)
			3.0	V-2 (ALL)
			6.0	V-2 (ALL)
Glow-Wire Flammability (GWFI)	IEC 60695-2-12	°C	-	-
Glow-Wire Ignition (GWIT)	IEC 60695-2-13	°C	-	-
IEC Comparative Tracking Index	IEC 60112	Volts (Max)	-	-
IEC Ball Pressure	IEC 60695-10-2	°C	-	-
ISO Heat Deflection (1.80 MPa)	ISO 75-2	°C	-	-
ISO Tensile Strength	ISO 527-2	MPa	-	-
ISO Flexural Strength	ISO 178	MPa	-	-
ISO Tensile Impact	ISO 8256	kJ/m ²	-	-
ISO Izod Impact	ISO 180	kJ/m ²	-	-
ISO Charpy Impact	ISO 179-1	kJ/m ²	-	-